

BORISENKO, N. G.

Cand Med Sci - (diss) "Length of the course of dysentery in adults undergoing modern treatment methods." Simferopol', 1961. 19 pp; (Crimean State Med Inst imeni I. V. Stalin); 185 copies; price not given; (KL, 7-61sup, 257)

CHAPURSKAYA, N.A.; BORISENKO, N.G.; CHERNOVA, I.A.; CHERNIY, F.A.; BELOUS, G.V.

Results of dispensary service for convalescents following
infectious hepatitis. Nauch. inform. Otd. nauch. med. inform.
AMN SSSR no.1:28 '61 (MIRA 16:11)

1. Institut infektsionnykh bolezney (direktor - chlen korrespondent AMN SSSR prof. I.L.Bogdanov) AMN SSSR, Kiyev.

*

CHERNOVA, I.A.; kand.med.nauk; BORISENKO, N.G.

The convalescent following epidemic hepatitis as a source of infection. Sov.med. 25 no.5:132-134 My '62. (MIRA 15:8)

1. Iz Instituta infektsionnykh bolezney Akademii meditsinskikh nauk SSSR, Kiyev.
(HEPATITIS, INFECTIOUS)

BORISENKO, N. I.

AID P - 3019

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 6/33

Author : Borisenko, N. I., Vice-Minister of the Electrical
Industry of the USSR

Title : Present problems of the electrical industry

Periodical : Elektrichestvo, 7, 24-28, J1 1955

Abstract : The author presents a review of the extensive development of the electrical industry in the Soviet Union. But the still growing requirements present new challenges to the Soviet scientists, engineers, and technicians, e.g., need of increasing the capacity of electrical machinery and of equipment for the power stations, problems of automation, further requirements expected from electronics, new synthetic insulating materials, etc. The author presents a review of these new contemporary problems. Seven photographs.

AID P - 3019

Elektrichestvo, 7, 24-28, J1 1955

Card 2/2 Pub. 27 - 6/33

Institution : None

Submitted : My 6, 1955

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

ДУДУК ПЕРВЫЙ

BRON, O.B.; BEL'KIND, L.D.; SHTURMAN, O.I.; KAMEREVA, V.A.; BERGER, A.Y.;
CHERNICKIN, D.S.; TISHCHENKO, N.A.; BORISNKO, N.J.; BERTINGOV,
A.I.; SINEL'NIKOV, Ye.M.

Pavel Petrovich Kopninaev; 25th anniversary of his death. Elektri-
chestvo no.5:92 My '57.
(Kopninaev, Pavel Pertovich, 1867-1937)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BORISENKO, N.I., inzh.

Development of the electrical industry during the past 40 years
in the Soviet Union. Elektrichestvo no.11:9-16 N '57. (MIRA 10:10)

1.Gosplan SSSR.

(Electric industries)

SOV-19-58-2-140/551

AUTHORS: Rogachev, I.S.; Borisenko, N.I.; Livshits, A.L. and Perchik, L.D.

TITLE: A Machine Generator of Unipolar Current Pulses (Mashinnyy generator unipolyarnykh impul'sov toka)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 2, p 34 (USSR)

ABSTRACT: A machine generator of unipolar current pulses (Registration of Inventions, Class 2ld¹, 1. Nr 111055) similar to that with Certificate of Authorship Nr 101332 but with several separate windings on the armature for simultaneous power supply to several independent motors. Every winding is connected to a separate collector, and the collectors (or brushes) are turned on the axis at the same angle against each other at which the windings are shifted on the armature.

1. Generators--Design

Card 1/1

SOV/19-58-6-184/685

AUTHORS: Rogachev, I.S., Livshits, A.L., Borisenko, N.I., and
Perchik, L.D.

TITLE: A Magneto Generator of Nonsymmetric Alternating Current
(Induktornyy generator nesimmetrichnogo peremennogo toka)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, pp 43-44 (USSR)

ABSTRACT: Class 2ld₂ 5. Nr 113545 (575727/364 of 5 May 1953). Submitted to the Ministry of Electric Power Stations and the Electrical Engineering Industry of the USSR. A generator as specified in the title, with a magneto provided with a number of serrations equal to the number of serrations on the stator, designed for operation in series connection with a source of direct current for producing unipolar pulses. To improve the shape of the current curve (prevent formation of increased frequency current in the intervals), one face of every magneto serration is

Card 1/2

SOV/19-58-6-184/685

A Magneto Generator of Nonsymmetric Alternating Current

placed in the radial plane of the magneto, and the other face forms a portion of the cylindrical surface limited by the flat face of the adjacent serration.

Card 2/2

WORKS NO. V. I.

STRUMILIN, S G

AUTHOR: None Given

TITLE: Third All-Union Conference on Automation

PERIODICAL: Vestnik mashinostroyeniya, 1959, Mr. 6, pp 71-73 (USSR)

ABSTRACT: The third national conference on the automation of production processes in mechanical engineering and automatically controlled electric drives in industry, held in Moscow from May 12-16, 1959, is reported. Over 100 delegates from more than 60 towns of the USSR took part in the conference. 500 people assisted in the sessions dealing with the development of automation in mechanical engineering. The conference was opened by A.A. Blagonravov, Academician, Academic Secretary of the section of Engineering Sciences of the USSR Academy of Sciences. Academician I.P. Barulin, Vice-president of the Ac.S.S.R.USSR, noted in his introductory speech the importance of the development of automation and dealt with the basic conditions determining successful automation of production processes. Academician N.V. Ulyanov presented a paper entitled "Problems of Automatic Control in Mechanical Engineering" in which he stated that mechanical engineering had the task of providing all branches of the national economy with improved machines.

Card/s

Academician S.G. Strumilin in a paper entitled "On the Problems of Automation in Mechanical Engineering" gave a historical analysis of the development of the automation of production processes and defined the social and economic differences in its effect under the conditions of capitalist and socialist societies. Academician S.G. Strumilin, in a paper entitled "Production of Electrical Measuring Instruments and Electrical Automatic Control Gear," acquainted the audience with the advances in the production of these fields planned for the period 1956-1965. In this paper entitled "On the Scientific Foundations of Overall Automation," Doctor of Technical Sciences L.I. Solodownikov demonstrated the successive stages of automation, seen in which not only the function of processing the central signals, but also the function of evaluating them and of the control of a process which is automated throughout. This task should be solved by the means of computer engineering. The main difficulty in the fulfillment of this task is the complexity of obtaining a mathematical description of the production process. Another difficulty is the compiling of equations which will provide the link between economics and engineering. The speaker cited variants of the possible mathematical solution of the task or automatic control of processes which are automated throughout.

Card/s

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

CHERNICHKIN, D.S.; BORISENKO, N.I.; MESHCHERYAYKOV, K.N.; KOMAR, Ye.G.; FEDULOV,
L.N.; KOZLINSKIY, V.A.; MAKSIMOV, A.S.; GEL'PERIN, B.B.

Professor D. V. Efremov; obituary. Elektrichestvo no.2:95-96 F '61.
(MIRA 14:3)
(Efremov, Dmitrii Vasil'evich, 1900-1961)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BORISENKO, N.I.; BUTKEVICH, G.V.; VORONETSKIY, B.B.; VASIL'YEV, D.V.;
DROZDOV, N.G.; DUBINSKIY, I.A.; ZALESSKIY, A.M.; KASATKIN, A.S.;
KOSTENKO, M.P.; KUZNETSOV, P.I.; KULEBAKIN, V.S.; MAMIKONYANTS,
L.G.; MEL'NIKOV, N.A.; NEYMAN, L.P.; PETROV, I.I.; RABINOVICH, S.I.;
SAMOKHVALOV, V.A.; SOLODOVNIKOV, V.V.; STEKLOV, V.Yu.; SIROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; CHILIKIN, M.G.; SHATALOV, A.S.; ZHEKULIN, L.A.

Petr Ivanovich Voevodin, 1884.. ; on his 80th birthday. Elektrichesivo
no.9.92 S '64. (MIRA 17:10)

L 10090-00

ACC NR: AP6001977

SOURCE CODE: UR/0105/65/000/003/0090/0090

AUTHOR: Aleksenko, G. V.; Borisenko, N. I.; Voronetskiy, B. B.; Gladilin, L. V.;
Druzhinin, N. N.; Petrov, I. I.; Syromyatnikov, I. A.; Tishchenko, N. A.;
Chernichkin, D. S.; Chilikin, M. G.

ORG: none

34
BTITLE: Professor Vyacheslav Semenovich Tulin on his 60th birthday

SOURCE: Elektrichestvo, no. 3, 1965, 90

TOPIC TAGS: mechanical engineering personnel, electric engineering personnel

ABSTRACT: Professor V. S. TULIN was born in November 1904 and graduated from the Kharkov Engineering Institute in 1925. He has since then specialized in the application of electric drives for the mining industry, in low-voltage apparatus and more recently in automation. At the present time he is the chairman of the Department of Automation and Control Machinery at the Moscow Institute of Radio-Electronics and Mining Electromechanics. He has made major contributions in his field: he is the author of 80 published works including a textbook on the automation of production processes in the mining industry; he also received an award in 1948 in connection with the Donets Basin development. He now participates in ministerial councils and committees concerned with scientific-research work, industrial coordination, also secondary and higher education. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none

UDC: 621.34:65.011.56

Card 1/1 H(1)

ACC NR: AP6012999

SOURCE CODE: UR/0105/65/000/006/0090/0090

AUTHOR: Alekseyenko, G. V.; Borisenko, N. I.; Voyevodin, I. D.; Drozdov, N. G.; Krayz, A. G.; Man'kin, E. A.; Mayorets, A. I.; Nekrasov, A. M.; Nayashkov, I. S.; Pavlenko, A. S.; Rokotyan, S. S.; Sobolev, A. A.; Syromyatnikov, I. A.; Sapozhnikov, A. V.; Sarkisov, M. A.; Chernichkin, D. S.; Chertin, A. M.

ORG: none

TITLE: S. I. Rabinovich (on the occasion of his 60th birthday)

SOURCE: Elektrичество, no. 6, 1965, 90

TOPIC TAGS: electric engineering personnel, electric transformer, hydroelectric power plant

ABSTRACT: The chief specialist of transformer building of the Gosplan (State Planning Commission) USSR, Samuil Isaakovich Rabinovich was born in 1905 in the town of Borisoglebsk of the Voronezh Oblast'. From his student years at the Gosudarstvennyy elektromashinostroitel'nyy institut (State Machine-Building Institute) he already showed interest for power transformers. In the early thirties he designed the first types of domestic Soviet 110 and 220 kV transformers; in 1939 he became the chief designer of the Moskovskiy transformatornyy zavod (Moscow Transformer factory). In 1946, he conducted the design and construction of lightning-resistant transformers; during 1949-1954,

Card 1/2

UDC: 621.314(092)

ACC NR: AP6012999

he headed the design of the 400 kV transformer equipment for the Volzhskaya hydroelectric power station - Moscow power line; his subsequent work on the 500 kV equipment earned him the Lenin prize. From 1960, he has been working at the Gosplan USSR. He is also a member of the editorial board of the journal Elektrичество (Electricity). Orig. art. has: 1 figure. [JPRS].

SUB CODE: 10, 09 / SUBM DATE: none

Card 2/2 (cc)

L 22739-66 EWP(k)/EWP(h)/EWT(d)/EWP(l)/EWP(v)

ACC NR: AP6013621

SOURCE CODE: UR/0105/65/000/009/0088/0088

AUTHOR: Alekseenko, G. V.; Biryukov, V. G.; Borisenko, N. I.; Borushko, V. S.; Kovalev, N. N.; Kostenko, M. P.; Obolenskiy, N. A.; Petrov, G. N.; Rozanov, A. A.; Skidanenko, I. T.; Timofeyev, P. V.; Chilikin, M. G.; Sheremet'yevskiy, N. N.

81

79

ORG: none

TITLE: Honoring the 60th birthday of Professor Andronik Gevondovich Iosif'yan

B

SOURCE: Elektrichestvo, no. 9, 1965, 88

TOPIC TAGS: academic personnel, scientific personnel, automation, electric engineering, servosystem, automatic control

ABSTRACT: 21 July 1965 was the 60th birthday of the eminent Soviet scientist in the field of electrical mechanics and automation, Dr. Techn. Sci. Professor, Member of the AS Armenian SSR, Hero of Socialist Labor, Laureate of the State Prize, A. G.

Iosif'yan. His scientific contributions are numerous. During 1931-1934 he developed the theory of the combined synchronous control circuit with AC commutator generator. Subsequently, he invented the contactless selsyn. He was the first Soviet scientist to publish studies of thyratron-based servosystems for the control of electrical machinery. During 1940-1945 he made a major contribution to the theory of electrical machinery and automatic control by publishing studies on the general theory of the elec-

Z

Card 1/2

UDC: 621.3:65.011.56

ACC NR: AP6013621

2

tromechanical amplifier (amplidyne) and power-driven synchronous servosystems. In his 35 years of scientific activity A. G. Iosif'yan has published more than 60 studies on many problems of electrical mechanics and automatic control and has been the author of 24 inventions. A. G. Iosif'yan is the founder and director of the All-Union Order of Labor Red Banner Scientific Research Institute of Electromechanics, and it was on his initiative that branches of this institute have been established in Leningrad, Tomsk, Yerevan, Frunze, Iskra, and Kudinovo. Between 1950 and 1955 he held the elective office of Vice President of the Armenian Academy of Sciences, and since 1955 he has been Editor-in-Chief of the journal Elektrotehnika (Electrical Engineering). He is also the bearer of many other honors. Among other things, he was elected delegate to the 22nd Congress of the CPSU. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2

Jd

ALEKSEYENKO, G.V.; BORISENKO, N.I.; VOYEVODIN, I.D.; DROZDOV, N.G.; KRAYZ, A.G.;
MAN'KIN, E.A.; MAYORETS, A.I.; NEKRASOV, A.M.; NAYASHKOV, I.S.; PAVLENKO,
A.S.; ROKOTYAN, S.S.; SOBOLEV, A.A.; SYROMYATNIKOV, I.A.; SAPOZHNIKOV,
A.V.; SARKISOV, M.A.; CHERNICHKIN, D.S.; CHERTIN, A.M.

Samuil Isaakovich Rabinovich, 1905; on his 60th birthday. Elektri-
chestvo no.6:90 Je '65.
(MIRA 18:7)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

ALEKSENKO, G.V.; BIRYUKOV, V.G.; BORISENKO, N.I.; BORUSHKO, V.S.; KOVALEV, N.N.;
KOSTENKO, M.P.; OBOLENSKIY, N.A.; PETROV, G.N.; ROZANOV, A.A.;
SKIDANENKO, I.T.; TIMOFEYEV, P.V.; CHILIKIN, M.G.; SHEREMET'YEVSKIY, N.N.

Professor Andronik Gevondovich Iosifian, 1905- ; on his 60th
birthday. Elektrichestvo no.9:88 S '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

12379* (Russian) Effect of Technological Factors of Rolling on the Quality of Bearing Steel Vilkas-1000 (with inclusion problem) on the Nuclear Reactor Components
By N. S. Slobodkin, N. K. Kostylev, V. A. Kuznetsov
Institute of Metal Physics, USSR Academy of Sciences
Effect of the temperature of rolling, deformation rate, cooling, and condition of roll surface. Optimal working temperature of ingot was determined

GROSSGEYM, V.A.; BORISENKO, N.N.

Distribution of microfauna in layers of terrigenous Paleocene flysch of
western Kuban. Biul. MOIP. Otd. geol. 28 no.2:32-41 '53. (MLRA 6:11)
(Kuban--Flysch) (Flysch--Kuban)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, N.N.

Paleocene Radiolaria in western Kuban. Trudy VNII no.17:81-100
'58. (MIRA 12:1)
(Kuban--Radiolaria, Fossil)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, N.N.

New Paleocene Radiolaria in the Kuban. Trudy KF VMII no.4:199-208
'60. (MIRA 13:11)
(Kuban--Radiolaria, Fossil)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISOV, N.N.

Upper Eocene Radiolaria of the Kuma series in the western Kuban.
Study KF VIII no.1:33-44 '59. (MIRA 16:9)
(Kuban—Radiolaria, Fossil)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

ANGEL'YEV, D.D.; BORISENKO, N.P.; UL'YANKIN, I.P.; SOLDATOV, I.N.;
TER-DANIYELYAN, V.M.; GREBTSOV, P.P., red.; SOKOLOVA, N.N.,
tekhn. red.

[Overl-all mechanization on the "Gigant" State Farm] Kompleks-
naia mekhanizatsia v sovkhoze "Gigant." [By] D.D. Angel'ev.
Moskva, Sel'khozizdat, 1962. 171 p. (MIRA 16:3)

1. Direktor sovkhoza "Gigant" Rostovskoy oblasti (for Angel'ev).
2. Starshiye nauchnyye sotrudniki Severo-Kavkazskogo filiala
Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'-
skogo khozyaystva (for Ul'yankin, Ter-Daniyelyan).
(Farm mechanization)

BORISENKO, Nikolay Pavlovich.

[Road of a combine operator] Put' kombainera. Rostov-na-Donu,
Rostovskoe knishnoe izd-vo, 1955. 20 p. (MLRA 8:12)
(Agricultural laborers)

BORISENKO, N.P., inshener

Business accounting at the machine-tractor station. Nauka i
pered.op.v sel'khoz. 7 no.6:50-51 Je '57. (MLRA 10:7)

1. Rostovskoye Oblsel'khozupravleniye.
(Sal'sk District--Machine-tractor station--Accounting)

BORISENKO, O.I.(Kharkiv)

Speed and temperature fields in fluid layers between two plates
when one is moving parallel to the other. Prikl.mekh.2 no.4:425-
437 '56. (MLRA 10:3)

1. Kharkiv's'kiy aviatsiyniy institut.
(Fluid mechanics) (Heat--Transmission)

BORISENKO, O.S., inzh.; SHIDLOVSKAYA, A.G., inzh.

Heat insulating materials made from a sprit base. Stroi. mat. 9
no.6:19 Je '63. (MIRA 17:8)

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
pp 121-122 (USSR) 14-57-6-12591

AUTHOR: Borisenko, P.

TITLE: Byelorussian Beavers (Bobry Belorusii)

PERIODICAL: Okhota i okhot. kh-vo, 1956, Nr 2, p 33

ABSTRACT: The Byelorussian river beaver was almost exterminated during the last century. The Berezina state preserve was established in 1925. By 1929 some 300 beavers were counted in Byelorussia, and after 20 years there were 20 times more. Large beaver colonies appeared along the Sozh, Berezina and Neman rivers and on their tributaries, as well as near lakes, canals, old brooks and on open peat workings. To protect the species, three state preserves were established in 1949; Cherikov (on the Sozh), Lyubcha (on the Neman), and Borisov (on the Neman). Approximately 1700 beavers

Card 1/2

14-57-6-12591

Byelorussian Beavers (Cont.)

have been trapped in Byelorussia during the last seven years and
resettled in new locations throughout the country.
Card 2/2

N. K. K.

ZAHIN, V., podpolkovnik; CHERKASOV, M., leytenant; KLINOV, V., starshiy
leytenant; DITS, G., mayor; LEBEDEV, I., mayor; FEDOROV, N., mayor;
POTAPOV, A., gvardii starshina; BORISENKO, P., gvardii polkovnik.

~~Markings for cross-country routes and passages through ob-~~
~~structions; suggestions from engineering units. Voen.-inzh.~~
zhur. 101 no.4:28-33 Ap '57. (MLRA 10:6)
(Obstacles (Military science))

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, P. [Borysenko, P.] (Kherson)

Under sails and by a motor. Znan. ta pratsia no. 10:15 0 '60.
(MIRA 14:4)
(Kherson--Yacht-building)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BORISENKO, P.I., kand.med.nauk

Chemical changes in the blood in embolic apoplexy. Vrach.delo
no.3:261-265 Nr '60. (MIRA 13:6)

1. Klinika nervnykh bolezney Dnepropetrovskogo meditsinskogo
instituta (nauchnyy rukovoditel' raboty - zasl. deyatel' nauki,
prof. N.V. Mirtovskiy [deceased].
(APOPLEXY) (BLOOD--EXAMINATION)

AVTONOMOV, B.V.; BONDAREV, I.I.; BORISENKO, P.I.; BURLAKA, S.A.; VESELOV,
N.D.; ZUBANOV, K.V.; KLIMENKO, G.A.; KOTILEVSKIY, D.G.; KUDISH,
A.D.; LAVRENEENKO, K.D.; MALYUTIN, N.P.; MARINOV, A.M.;
MOLOKANOV, S.I.; PLOGATIREV, A.A.; POBEGAYLO, K.M.; POGAYEVSKIY,
V.L.; SAVINYKH, A.I.; SAPOZHNIKOV, F.V.; SERDYUKOV, N.P.;
FINOGENOV, Ya.I.; CHALDRANYAN, V.P.; CHULKOV, Ye.I.; SHANIN, V.P.;
SHISHOV, V.V.

Ivan Konstantinovich Khivrenko; obituary. Elek.sta. 34 no.2:96
F '63. (MIRA 16:4)
(Khivrenko, Ivan Konstantinovich, 1899-1962)

BORISENKO, P.M., inzhener; LUNEV, P.A.; OLENEV, A.P., BEREGOVSKIY, Ya.I.

Organizing the transmission of holiday telegrams. Vest. sviazi 15
no.10:17-19 0 '55. (MLRA 9:2)

1.Otdel elektrosvyazi Stavropol'skogo krayevogo upravleniya svyazi
(for Berisenko). 2. Nachal'nik Sevastopol'skogo telegrafa (for Lu-
nev). 3.Nachal'nik dispatcherskogo uchla GUMETS pri Alma-Atinskem
telegrafe (for Olenev). 4.Nachal'nik Chkalovskogo telegraфа i MTS
(for Beregovskiy). (Telegraph) (MLRA 9:2)

ANBROKH, Ya. M. (Ryazan', 5, 5-ya liniya, 50-a, kv. 1);
BORISENKO, P. S.

Tumors of the ligamentous apparatus of the female genital organs.
Vop. onk. 8 no.5:94-98 '62. (MIRA 15:7)

1. Iz patologoanatomiceskogo otdeleniya (zav. - Ya. M. Anbrokh)
Ryazanskoy gorodskoy klinicheskoy bol'nitsy No. 2 (glav. vrach -
zasl. vrach RSFSR I. A. Galyun) i ginekologicheskoy kliniki
Ryazanskogo meditsinskogo instituta (zav. - prof. G. N. Smirnov)

(LIGAMENTS—TUMORS)
(GENERATIVE ORGANS, FEMALE—TUMORS)

LEVKOVA, N.A.; BORISENKO, P.S.

Bilateral tubular pregnancy. Akush. i gin. 35 no.3:119
My-Je '59. (MIRA 12:8)

1. Iz kafedry ginekologii (zav. - prof.G.N.Smirnov), kafedry
patologicheskoy anatomii (zav. - prof.V.K.Beletskii) Ryazan-
skogo meditsinskogo instituta i 2-iy gorodskoy bol'nitsy Ryazani
(glavnnyy vrach I.A.Galyun).
(PREGNANCY, ECTOPIC)

BORISENKO, P. T., CAND TECH SCI, "PREDECESSORS OF HEMP
Regions ^{the} IN THE FOREST ~~AREAS~~ OF UKRAINE." GORKI, 1961. (MIN OF
AGR BSSR. BELORUSSIAN ORDER OF LABOR RED BANNER AGR ACAD).
(KL-DV, 11-61; 224).

-208-

BORISENKO, R.I.

Some chemical changes in the blood in thrombosis of the cerebral vessels. Zhur.nevr. i psikh. Supplement:2-3 '57. (MIRA 11:1)

1. Kafedra nervnykh bolezney (zav. - prof. N.V.Mirtovskiy) Dnepropetrovskogo meditsinskogo instituta.
(BLOOD--EXAMINATION) (THROMBOSIS)

BORISENKO, R.I., kandidat meditsinskikh nauk

Significance of chemical changes in the blood for an understanding
of the pathogenesis of hemorrhagic apoplexy. Vrach.delo no.7:757-
758 Jl '57. (MIRA 10:8)

1. Klinika nervnykh bolezney Dnepropetrovskogo meditsinskogo
instituta (nauchnyy rukovoditel' - zasl. deyatel' nauki professor
N.V.Mirtovskiy)
(APOPLEXY) (BLOOD--ANALYSIS AND CHEMISTRY)

BORISENKO, R. I.

Disorders of neural regulation of the blood sugar content in thrombosis of the cerebral branches of the cerebral arteries [with summary in French], Zhur.nevr. i psikh. 57 no.8:948-949 '57.

(MIRA 10:11)

1. Kafedra nervnykh bolezney (zav. - prof. N.V.Mirtovskiy) Dnepropetrovskogo meditsinskogo instituta.

(BLOOD SUGAR, in various diseases,

cerebral cortical thrombosis (Bus))

(CEREBRAL EMBOLISM AND THROMBOSIS, blood in,
subar in cortical thrombosis (Bus))

BORISENKO, R.I., kand.med.nauk

Thermoregulation in acute disturbances of cerebral blood circulation.
Vrach.delo no.5:543 My '59. (MIRA 12:12)

1. Klinika nervnykh bolezney Dnepropetrovskogo meditsinskogo instituta
(nauchnyy rukovoditel' raboty - zasluzhennyy deyatel' nauki, prof.
N.V. Mirtovskiy).
(BODY TEMPERATURE) (BRAIN HEMORRHAGE)

BORISENKO, R.I.

Chemical blood changes in acute disorders of cerebral circulation and their clinical significance. Zhur.nevr. i psikh. 59 no.4:452-454 '59. (MIRA 12:6)

1. Klinika nervnykh bolezney (nauchnyy rukovoditel' - prof. N.V.Mirtovskiy, dir. - prof.D.P.Chukhriyenko) Dnepropetrovskogo meditsinskogo instituta.

(CEREBRAL HEMORRHAGE, blood in, chem. changes (Rus))

BORISENKO, R.I., kand.med.nauk

Changes in the sugar content of the blood in cerebral hemorrhages.
Vrach.delo no.1:35-40 Ja '63. (MIRA 16:2)

1. Kafedra nervnykh bolezney (zav. - dotsent F.Ya. Roze) Dnepropetrovskogo meditsinskogo instituta.
(APOPLEXY) (BLOOD SUGAR)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, S. [Borysenko, -S.]

Story about "clever" machines ("Clever machines" by V.Derkach.
Reviewed by S.Borysenko. Nauka i zhyttia 8 no.4:62 Ap '58.
(MIRA 13:5)

(Electronic calculating machines)
(Derkach, V.)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BORISENKO, S.A., inzh.; ALTYN-PARA, L.F., inzh.

Production of spirally welded pipe. Stal' 23 no.9:826-829 S
'63. (MIRA 16:10)

1. Zhdanovskiy metallurgicheskiy zavod im. Il'icha.

SOV/129-59-6-4/15

AUTHORS: Borisenko, S.A. and Filinova, N.M. (Engineers)

TITLE: Heat Treatment in a Steam Atmosphere (Termicheskaya obrabotka v atmosfere para)

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1959, Nr 6, pp 17-19 (USSR)

ABSTRACT: The authors investigated under laboratory conditions the method of applying steam for preventing oxidation so as to reduce scale formation at elevated temperatures. For verifying the effects obtained by heat treatment in a steam atmosphere, specimens were tested made of steel containing 0.32 - 0.42% C, 0.7 - 0.9% Mn, max 0.035% S, and 0.04% P. The experiments were carried out in an electrically heated muffle furnace (see Fig 1). The conditions of formation of dense films preventing further oxidation during heat treatment, and also the stability of such films at elevated temperatures, were investigated. The specimens were heated in a steam atmosphere at 400, 500, 600, 700, 800, 900 and 1000 °C for durations of 30 minutes; for comparison, reference specimens were heated at equal temperatures without steam. The experiments confirmed that heating of

Card1/2

Heat Treatment in a Steam Atmosphere

SOV/129-59-6-4/15

ferrous metals in a steam atmosphere prevents the formation of rough, peeling-off scale at temperatures up to 1000 °C. A particularly favourable effect can be achieved on heating in a steam atmosphere of large-surface components which are subsequently to be provided with an anti-corrosion coating. Study of the operation of heating furnaces, for castings, with air and steam atomization of mazut in the burners in two Soviet works confirms that heating in a steam atmosphere results in a considerable reduction of scale formation. There are 3 figures and 2 Soviet references.

ASSOCIATION: Zhdanovskiy truboproykatnyy zavod (Zhdanov Tube Rolling Mills)

Card 2/2

S/137/51/000/003/016/059
A006/A101

AUTHOR: Borisenko, S.A.

TITLE: On the outlooks of raising the quality of seamless pipes and the efficiency of pilger mills

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 3, 1961, 36, abstract 3D280
("Byul. nauchno-tekhn. inform. Ukr.n.-i.trubn in-t. n6-7, 1959,
197 - 204)

TEXT: Pipe rolling on a pilger stand with 2 idle rolls is possible and proceeds at the synchronized operation of the idle rolls with the working rolls without forming folds on the pipes. Thus the drive work increases correspondingly to the additional deformation work in the idle rolls. Additional flattening of the pipe on the mandrel assures an increase of the polishing coefficient; as a result, the quality of the external surface is improved; protuberances and folds are flattened, the thickness of the pipe wall is reduced and the accuracy of manufacturing the pipe is raised. Efficiency can be raised by 10% due to higher feed rates with increased coefficients of polishing of the rolls. K. U. [Abstracter's note: Complete translation.]

Card 1/1

BORISENKO, S.A.

Dynamic torsion test by means of swinging impact testers.
Zav.lab. 27 no.10:1312-1313 '61. (MIRA 14:10)

1. Zhdanovskiy metallurgicheskiy zavod im. Il'icha.
(Testing machines)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

EORISENKO, S.A.

Methodology for selecting and testing samples of spiral-seam
pipes. Zav.lab. 30 no.3:377-379 '64. (MIRA 17:4)

1. Zhdanovskiy metallurgicheskiy zavod.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

EORISENKO, S. D.

"On One Operator and His Utilization in Some Matters Concerning the Strength of Materials." Cand Tech Sci, Moscow Inst of Mining Construction Engineers, Moscow 1954. (RZhivkh, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

BORISENKO, S. G.

PA 16/49T103

USSR/Mining Equipment
Pumps

Oct 48

"Water Pumping Through a Hole," S. G. Borisenko,
t p

"Gor Zhur" No 10

Describes system with diagram. Pump is located
46 meters below surface. A 75-mm hole was drilled
for electric cable and 200-mm hole for pump dis-
charge.

16/49T103

BORISENKO, S. G.

"The Excavation of Blocks Between Filled Chambers," Gor. Zhur., No. 1, 1949.

Moscow Inst. of Non-Ferrous Metals and Gold.

* BORISENKO, S. G.

Cand Tech Sci

Dissertation: "Extraction of Pillars When Chambers are Not Filled."

30/5/49 30 May 49

Moscow Inst of Nonferrous Metals and Gold
imeni M. I. Kalinen

**SO Vecheryaya Moskva
Sum 71**

BORISENKO, S. G.

Sistemy razrobotki zhelezorudnykh zalezhei v Krivozhskom basseine / Systems
of iron ore mining in the Krivoi Rog basin/. Moskva, Metallurgizdat, 1953.
232 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 8 November 1953

System of working of
BORISENKO, S.G., Doc Tech Sci -- (diss) "System of development with
~~open chambers~~
~~open-pit development system with breaking~~ ~~the~~ of ore from
~~passages~~
~~the mining process.~~" [Krasnoyarsk], 1959. 16 pp (Krasnoyarsk Inst
of Non-Ferrous Metals im M.I. Kalinin). 160 copies . List of author's
works at end of text (12 titles) (IL 38-59, 116)

29

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, S.G.; KULIKOV, V.V.

Underground mining techniques in foreign countries. Gor.zhur. no.8:
20-24 Ag '55. (Mining engineering) (MLRA 8:8)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

DUGANOV, G.V., kandidat tekhnicheskikh nauk; BORISENKO, S.G., kandidat
tekhnicheskikh nauk.

"Principles of safety engineering in the mining industry." Ger.
zhur. no.10:61-63 O '55. (MIRA 9:2)
(Pavlov, Konstantin Vasil'evich)(Mining engineering--Safety
measures)

GANISENKO, S.

15. EFFECT OF INTERCHIMIC MEDIUM (IN A MINE) ON STABILITY. REFERENCED
The work, based [unclear] (P. 11), is reproduced below.
The author, V. N. Ganisenko, has conducted a series of experiments on the
effect of a gaseous medium on the stability of the walls of a mine gallery.
The author has used the methods of the experimental geology and the
method of the physical and chemical analysis of the rock mass. The author
has studied the effect of the gaseous medium on the stability of the rock mass
by equilibrium of the given pressure, which was obtained by the
author in trials carried out in a
cave of the Kursk district, reproducing the conditions of working in a gallery
with interspersed layers of chalk.

KULIKOV, V.V., gornyy inzhener.; POLISHCHUK, A.D., gornyy inzhener.; BORISENKO,
S.G., gornyy inzhener.; YAREMENKO, S.G., gornyy inzhener.; SUPRUNENKO,
L.V., gornyy inzhener.

"Mining systems for thick ore deposits" by V. R. Imenitov. Gor.
zhur. no.2:76-78 F '57. (MLRA 10:4)
(Mining engineering)

SOV-127-58-3-6/24

AUTHOR: Borisenko, S.G., Candidate of Technical Sciences

TITLE: The Modeling of the Shifting of Inclosing Rocks in the Exploitation of Steeply Dipping Deposits (Modelirovaniye sdvizheniya vmeshchayushchikh pored pri razrabotke krutopadayushchikh mestorozhdeniy)

PERIODICAL: Gornyy zhurnal, 1958, Nr 3, pp 32-34 (USSR)

ABSTRACT: The author describes models prepared for the study of shiftings occurring in inclosing rocks during the exploitation of the deposits. One model was made to reproduce the general character of shifting of any hard fragmentary rocks as a result of a consecutive exploitation of the ore body downwards. The detailed description of the model and of the experiment is given. It was possible to establish that, after the exploitation of the first two levels of the ore body protruding on the surface, the pendant side first overhangs like a console, then collapses when the exploitation progresses downwards. A centrifugal model was constructed for Card 1/2

SOV-127-58-3-6/24

The Modeling of the Shifting of Inclosing Rocks in the Exploitation of
Steeply Dipping Deposits

the deposits which are of considerable length. The experiment with this model showed that the shifting of the rocks occurs along the curvilinear surfaces. There are 4 photos and 1 diagram.

ASSOCIATION: Dnepropetrovskiy gornyy institut (The Dnepropetrovsk Mining Institute)

1. Mining engineering—USSR
2. Ores—Production
3. Rock—Geology
4. Rock—Model test results

Card 2/2

BORISENKO, Sergey Grigor'yevich; KOPITSA, Fedor Andreyevich. Prinimali
uchastiye: KULIKOV, V.V.; YAREMENKO, D.N.. BUNIN, A.I., inzh.,
retsenzent; POLISHCHUK, A.D., kand.tekhn.nauk, rotsenzent;
YERMOLENKO, M.I., otv.red.; Sipiagina, Z.A., red.izd-va; SABI-
TOV, A., tekhn.red.

[Chamber and pillar system of ore mining] Kamernaja sistema
razrabotki v gornorudnoi promyshlennosti. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po gornomu delu, 1960. 399 p. (MIRA 13:5)
(Mining engineering)

SIMFOROV, G.Ye.; BORISENKO, S.G., kand.tekhn.nauk

Labor productivity at the "Bolshevik" mine has been increased by 85 percent. Gor.zhur. no.7:4-11 Jl '60.
(MIRA 13:7)

1. Glavnyy inzhener rudnika "Bol'shevik" (for Simforov).
2. Dnepropetrovskiy gornyy institut (for Borisenko).
(Krivoy Rog--Iron mines and mining--Labor productivity)

BORISENKO, S.G., dotsent; KUKHTA, P.Z.

Change of block and chamber sizes in increasing the depth
of mining. Gor. zhur. no. 11:39-42 N '60. (MIRA 13:10)

1. Dnepropetrovskiy gornyy institut (for Borisenko).
2. Nachal'nik tekhnicheskogo otdela rudnika im. Kominterna
(for Kukhta).

(Mining engineering)

BORISENKO, S.G. (Dnepropetrovsk); SOROKIN, A.D. (Dnepropetrovsk)

Strains in ore blocks depending on the angle of inclination of the
deposit. Izv.AN SSSR.Otd.tekh.nauk.Met.i topogr. no.5:117-122 S-0
'61. (MIRA 14:10)
(Geological modeling) (Rock pressure)

BORISENKO, Sergey Grigor'yevich; TARASOV, Leonid Yakovlevich;
KOVALEV, Igor' Antoninovich; PROTOPOPOV, Sergey Filippovich;
DZHIMSHILEVSHVILI, Sh.P., otv. red.; YEROKHIN, G.M., red.
izd-va; OVSEYENKO, V.G., tekhn.red.

[Raise work] Prokhodka vosstaiushchikh. Moskva, Gos-
gortekhizdat, 1962. 271 p. (MIRA 15:11)
(Mining engineering)

BORISENKO, S.G., doktor tekhn.nauk; SOROKIN, A.D., inzh.

Study of stresses in blocks of untouched ore. Izv. vys. ucheb.
zav.; gor. zhur. 5 no.3:46-51 '62. (MIRA 15:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy
institut imeni Artyema. Rekomendovana kafedroy razrabotki rudnykh
mestorozhdeniy i otkrytykh gornykh rabot Dnepropetrovskogo
gornogo instituta.

(Rocks--Testing)
(Strains and stresses)

BORISENKO, S.G., doktor tekhn.nauk; KOMSKIY, Ye.I., inzh.

Studying the stresses in ore blocks and their strength calculations.
Izv.vys.ucheb.zav.;gor.zhur. 6 no.11:33-38 '63. (MIRA 17:4)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut
imeni Artyoma. Rekomendovana kafedroy razrabotki mestorozhdeniy
poleznykh iskopayemykh.

BORISENKO, S.G., prof.; TUBOL'TSEV, V.M., inzh.; GALUSHKO, P.Ya., dotsent

Comparison of the results of studying stresses around workings by
the photoelastic method and by actual measurement. Ugol' 39 no.2:
19-21 F '64. (MIRA 17:3)

1. Dnepropetrovskiy gornyy institut (for Borisenko, Tubol'tsev).
2. Kiyevskiy politekhnicheskiy institut (for Galushko).

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, S.G., prof., doktor f. in.nauk; SHOSHURIN, S.I., kand.tehn.nauk;
TUBOL'TSEV, V.M., inzh.; PLAKSA, N.P., inzh.

Investigating the uncontrolled ore caving process at the Nikitovka
strip mine. Gor.znur. no.1G:22-27 0 '64.

(MIRA 18:1)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

ACC NR: AT7002123

(A)

SOURCE CODE: UR/0000/66/000/000/0454/0461

AUTHORS: Borisenko, S. G.; Komskiy, Ye. I.; Tubol'tsov, V. M.

ORG: none

TITLE: Investigation of stresses in ore blocks during exploitation of ore deposits

SOURCE: Vsesoyuznaya konferentsiya po polyarizatsionno-opticheskому методу изследования напряжений. 5th, Leningrad, 1964. Polyarizatsionno-opticheskiy metod issledovaniya napryazheniya (Polarizing-optical method of investigating stresses); trudy konferentsii. Leningrad, Izd-vo Leningr. univ., 1966, 454-461

TOPIC TAGS: stress analysis, mining engineering

ABSTRACT: Investigations on the stresses in blocks of ore during room and pillar operations in ore deposits have been made at the Laboratory of Photoelasticity at the Dnepropetrovsk Mining Institute (Laboratoriya fotouprugosti, Dnepropetrovsk gornogo instituta). The purpose of the studies is to establish methods of computing strength of these blocks by stress analysis. Two- and three-dimensional models were prepared of plastine or "epoxymal." The first were 220 x 130 mm, the second 100 x 100 x 100 mm. Isochromatic curves in the material were observed and used to plot the stress distribution. From two-dimensional studies it was found that high normal stresses (σ_x) occur in the floor and roof of a room at low values of lateral thrust

Card 1/2

ACC NR: AT7002123

(0--0.4). The stresses decline with increase in lateral thrust. Normal stress (σ_y) and maximal tangential stress in the walls of a room reach their maximum at a lateral thrust of 0--0.2. With increase in lateral thrust, the maximal values are found at one-quarter the roof span from the wall. With low lateral thrust, a broad zone of low normal stress (σ_y) and tangential stress occurs in the roof and the floor of a room. With increase in interval between levels, tangential stresses increase in the roof rocks but change little in the wall rocks. In rooms three times longer than wide (or more), the stress state in the rocks bordering the room appears similar in three-dimensional models to that in two-dimensional models, but the actual stress values may differ by 15--20%. Orig. art. has: 6 figures and 4 for-mulas. (W.A. 101)

SUB CODE: 20, 08/ SUBM DATE: 14Jun66/ ORIG REF.: 012

Card 2/2

BORISENKO, S.I.

Production line with a flight pusher-bar conveyor for the preparation, dyeing, and drying of small parts. Lakokras.mat. i ikh prim. no. 4-62-68 '62.
(MIRA 16:11)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BORISENKO, S. I.

Dry Treatment of Oats, Sovetskaya Agronomiya, vol. 7, no. 3, 1949, pp. 83-84.
20 Sof4

SO SIR~~A~~ SI 90-53, 15 December 1953.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

DORISENKO, S. I.

Treatment of Pea Seed in the Control of Ascochyta, Sovetskaia Agronomia,
VOL. 6, no. 3, 1950, pp. 81-82. 20 So84

SO - SIRA SI 90-53, 15 December 1953

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

DUKHISHEV, S. I.

Heat Treatment of Seeds, Seleksiia i Se,emovodstvo, vol. 17, no. 1, 1950
pp. 68-73. 61.9 Se5

SO - SIRA SI 90-53, 15 December 1953

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BORISENKO, S.I.; AKCHURINA, R.M.

Mechanized painting of tubular tanks. Lakokras.mat.i ikh prim.
no.1:67-69 '63. (MIRA 16:2)
(Painting, Industrial)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6

BARANOVA, N.M.; BORISENKO, S.T. [Borysenko, S.T.]; GEVORK'YAN, V.Kh.
[Hovork'yan, V.Kh.]

Mesozoic and Cenozoic sediments in the Manuil'sk fault. Geol. zhur.
19 no.4:21-27 '59. (MIRA 13:1)
(Stalin Province--Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000206320011-6"

BARANOVA, Nataliya Mikhaylovan; MOLYAVKO, Grigoriy Ivanovich [Moliavko, H.I.]; BORISENKO, Sergey Trofimovich [Borysenko, S.T.]; BONDARCHUK, V.G. [Bondarchuk, V.H.], akademik, otv.red.; DILKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.], kand.geol.-mineral.nauk, red.; CHEKHOVICH, N.Ya. [Chekhovych, N.IA.], red.izd-va; KADASHEVICH, O.O., tekhn.red.

[Tertiary sediments in the southeastern Ukraine] Tretynni vidklyady pivdenno-ekhidnoi chastyyny Ukrayny. Kyiv, Vyd-vo Akad.nauk URSR, 1960. 149 p. (MIRA 13:4)

1. AN URSR (for Bondarchuk).
(Ukraine--Geology, Stratigraphic)

ZAYEZZHEV, N.M.; BORISENKO, S.T.; IGUMNOV, S.A.; KABRIZON, V.M.;
TYAZHLOV, G.T.; SEDENKO, M.V.

Preservation of underground waters in connection with the
drainage of ore deposits. Razved. i okh. nedr. 30 no.11:
36-41 N '64. (MIRA 18:4)

1. Trest "Dneprogeologiya" (for all except Sedenko). 2. Dnepro-
petrovskiy gornyy institut (for Sedenko).

S/081/62/000/012/012/063
B168/B101

AUTHORS: Cherdyncev, V. V., Orlov, D. P., Isabayev, Ye. A., Asylbayev,
U. Kh., Ivanov, V. I., Usatov, E. P., Borisenko, T. I.

TITLE: Variations in the isotopic composition of natural uranium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 115, abstract
12G16 (Tr. 9-y sessii Komis. po opredeleniyu abaclyutn.
vozrasta geol. formatsiy, 1960, M.-L., AN SSSR, 1961, 306 - 312)

TEXT: The $U^{235} : U^{238}$ ratio in 14 different minerals was determined by
 α -spectrometry and neutronometry. Some minerals show a U^{235} surplus:
quartz lode $U^{235} : U^{238} = 1.6 \pm 0.1$ (α -spectrum), magnetite 1.5
(α -spectrum) and 1.35 (neutronometry). In the remaining 12 minerals the
observable effect of disturbance of the isotopic composition does not go
beyond the limits of the experimental error. [Abstracter's note: Complete
translation.]

Card 1/1

BORISENKO, T.L.

Methods for identifying nonagglutinating dysenterial
bacteria. Zhur. mikrobiol., epid. i immun. 33 no.1:99 Ja '62.
(MIRA 15:3)
1. Iz Melitopol'skoy gorodskoy sanitarno-epidemiologicheskoy
stantsii.

(SHIGELLA DYSENTERIAE)

CM Photosynthesis

Photosynthesis in walnut (*Juglans regia*) in connection
with geographic origin of the seeds. F. L. Shelepot'ev
and T. T. Borisenkova. *Doklady Akad. Nauk S.S.R.* **67**,
943-946 (1950). Walnuts of southern origin show a generally
higher photosynthesis rate than do their counterparts
of more northerly origin. However, the latter display
more uniform rate throughout the day in the face of the
usual temp. variations; the southern strains show very
high order of temp. variability. G. M. Kosolapoff

1. BORISENKO, T. T.

2. USSR (600)

4. Oak

71 Possibility of vegetative propagation of oak through single-bud cuttings. Dokl. An
SSSR. 86 No. 5. 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

BORISENKO, V.A.

Methods for placing Gero traps. Trudy Inst. zool. AN Kazakh. SSR.
23:218-219 '64.

(MIRA 17:11)

BORISENKO, A.M.; BORISENKO, V.A.

Copper, zinc, and iron content in the blood of donors supplying
blood repeatedly. Probl. gemat. i perel. krovi 10 no.1:50-52
Ja '65.
(MIRA 19:1)

1. Vinnitskiy meditsinskiy institut.

S/226/62/000/003/008/014
I003/I203

AUTHOR: Borisenko, V.A.

TITLE: The determination of hardness of tungsten at 2000-2700°C

PERIODICAL: Poroshkovaya metallurgiya, no. 3, 1962, 62

TEXT: The hardness of tungsten powder produced by the Moskovskiy elektrolampovyy zardon (Moscow Electric Lamp Plant) was measured in the temperature range of 2000-2700°C by a one sided flattening of conical samples in an atmosphere of purified helium, and the temperature measured by an optical pyrometer. There is 1 table.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

SUBMITTED: January 8, 1962

✓

Card 1/1

PISARENKO, G.S.; BORISENKO, V.A.; KASHTALYAN, Yu.A.

Effect of temperature on the hardness and the modulus of longitudinal elasticity of tungsten and molybdenum (20 - 2,700). Porosh.met.
2 no.5:79-83 S-0 '62. (MIRA 15:11)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.
(Tungsten--Testing) (Molybdenum--Testing)

S/123/62/000/014/014/020
A004/A101

AUTHORS: Borisenko, V. A., Pisarenko, G. S.

TITLE: Installation for investigating the hardness of metals and alloys over a wide temperature range

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 14, 1962, 33 - 34, abstract 14B198 ("Poroshk. Metallurgiya", 1961, no. 5, 95 - 101, English summary)

TEXT: The authors give a description of an installation designed by the AS UkrSSR intended for investigating the temperature dependence of the hardness of highmelting metals and alloys in the temperature range of from 20 to 3,000°C. It is possible to measure the hardness on the installation in an atmosphere of inert gases of high purity by the method of static impression of a sapphire indenter having the shape of a standard regular tetrahedral pyramid with angles between the opposite faces of 136° (at temperatures between 20 and 1,760°C) and by the method of one-sided flattening of conical specimens at higher temperatures. It is reported that a number of high-melting metals have been tested on the installation at temperatures ranging from 20 to 2,000°C. Up to a temperature of 1,750°C the method of static impression of the sapphire indenter was used, while in the

Card 1/2

Installation for investigating the...

S/123/62/000/014/014/020
A004/A101

temperature range from 1,475 to 2,000°C the method of one-sided flattening of conical specimens was applied. The installation possesses good service qualities and a high efficiency. The authors present a diagram of the layout of the hardness measurement installation. There are 4 figures.

E. Spivak

[Abstracter's note: Complete translation]

Card 2/2

39929

18-1152

S/226/62/000/003/007/014
I003/I203

AUTHOR: Borisenko, V. A.

TITLE: Investigation of the temperature dependence of hardness of molybdenum in the temperature range of 20°C to 2500°C

PERIODICAL: Poroshkovaya metallurgiya, no. 3, 1962, 55-61

TEXT: This investigation, the first for the temperature range of 1800–2500°C, shows that the curve of temperature versus hardness of cold-worked and annealed molybdenum has a low- and a high-temperature inflection when plotted in the coordinates $\ln H - T^{\circ}\text{K}$. The same is true for the temperature versus tensile strength curve of cold-worked molybdenum plotted in the $\sigma_b - T^{\circ}\text{K}$ coordinates. Preliminary plastic deformation shifts the high-temperature inflection towards lower temperatures. The dependence of hardness of both cold-worked and annealed molybdenum on the absolute temperature is expressed by the equation: $H = Ae^{-\alpha T}$ and the relation between ultimate strength and absolute temperature by the equation: $\sigma_b = Be^{-\beta T}$. A linear relation was found for the temperature dependence of hot-hardness, ultimate strength and yield strength of molybdenum, in the temperature range of 1100–2000°C; it can be expressed by the following formulae.

$$\sigma_b = 0.49H \text{ kg mm}^2$$

$$\sigma_y = 0.45(H - 6) \text{ kg/mm}^2$$

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Investigation of the temperature...

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There are 4 figures.

ASSOCIATION Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

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ACCESSION NR: AT4002333

S/3036/63/000/000/0121/0125

AUTHOR: Borisenko, V. A. (Kiev)

TITLE: Hot hardness of molybdenum at high temperatures

SOURCE: Voprosy* vy'sokotemperaturnoy prochnosti v mashinostroyenii. Vtoroye nauchnotekhnicheskoye soveshchaniye, 1962. Trudy*. Kiev, 1963, 121-125

TOPIC TAGS: molybdenum, molybdenum hot hardness, molybdenum high temperature hardness, cold worked molybdenum, molybdenum hot hardness test, molybdenum hardness, creep, hardness

ABSTRACT: In order to determine the applicability of the "3 hot tests" method (Mirkin and Livshits, Zav. laboratoriya, No. 9, 1949), and to establish a base for subsequent studies on molybdenum alloys, the author investigated the hot hardness of cold worked molybdenum MRN of the Moskovskiy elektrolampovoy zavod (Moscow electric bulb plant) in the temperature range 20-1600C using the UVT device (Borisenko and Pisarenko, Poroshkovaya metallurgiya, No. 5, 95, 1961) constructed at the IMSS AN USSR. The hot hardness under prolonged load was determined in a He atmosphere by the static impression method, using a standard sapphire indenter. When the depth of impression or the load were graphed against time, variable curves were obtained only during the first 10 minutes, followed by straight lines

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of fairly constant slope regardless of temperature; the initial curves were caused by the fact that the load exceeded the limits of plastic flow, the greatest change in hot hardness appearing during the first 20-30 seconds. As shown by the straight lines obtained in Fig. 1 of the Enclosure, the data on hot hardness of molybdenum are consistent with the formulas of Shishokin (Tsvetnye metally, No. 4, 1930):

$$b = a^1 \gamma^m \quad \text{and} \quad H = a \gamma^n$$

where b is the diagonal depth of the impression, H is the hardness, γ is the duration of the load and a , a' , m and n are constants which depend on the nature of the material. Orig. art. has: 5 figures.

ASSOCIATION: none

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DATE ACQ: 03Dec63

ENCL: 01

SUB CODE: ML

NO REF Sov: 010

OTHER: 000

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L 57516-65 EWP(e)/EWT(m)/EWP(w)/EWP(i)/EPF(n)-2/EMG(m)/EMA(d)/EPR/T/EWP(t)/EWP(k)/
EWP(z)/EWP(h) Pf-4/Ps-4/Pu-4 IJP(c) JD/JG/AT/MJ

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B

SOURCE: Ref. zh. Metallurgiya, Abs. 41465

AUTHOR: Pisarenko, G. S.; Rudenko, V. N.; Borisenko, V. A.; Kashtalyan, Yu. A.;
Kharchenko, V. K.

TITLE: Investigation of the high-temperature strength of refractory powder metal
materials

CITED SOURCE: Tr. 7 Vses. nauchno-tehn. konferentsii po poroshk. metallurgii,
Yerevan, 1964, 50-54

TOPIC TAGS: powder metallurgy, metal mechanical property, tungsten, niobium carbide

TRANSLATION: The strength, hardness and elastic characteristics of W and NbC up to
3300°K were studied using special equipment developed in the Institute of Powder
Metallurgy and Special Alloys of the Academy of Sciences SSSR and the Institute of
Powder Metallurgy of the Academy of Sciences UkrSSR. An intense drop in the
strength of W begins at 1270°K. The strength of cast W is higher than that of pow-

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der metal W at 2270°K. The long-time hardness is in agreement with Shishokin's expression, $M = \text{at}^n$. The E modulus at 2470°K is $2.45 \times 10^5 \text{ Mn/m}^2$. The G modulus at 1770°K is $1.8 \times 10^5 \text{ Mn/m}^2$. The maximum bend strength of NbC is at a temperature of 0.5-0.6 of the melting point. The effect of porosity on strength decreases at high temperatures. The temperature dependence of E is presented. V. Kishinevskiy.

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